

Claims:

1. A composition of matter comprising at least one hydrocarbon base fluid mixed with at least one diblock copolymer, said copolymer being present in sufficient
5 concentration for the composition to exhibit shear stresses that are a non-linear function of the fluid strain rate.
2. A composition of matter comprising at least one hydrocarbon base mixed with at least one diblock copolymer, said copolymer being present in sufficient
10 concentration for the composition to be pseudoplastic
3. A composition of matter as in Claim 2 wherein the concentration of diblock copolymer is such that the composition exhibits reversible shear thinning.
- 15 4. A composition of matter as in Claim 3 wherein said hydrocarbon base comprises a mixture of from 0 to 100 percent each of hydrocarbon containing chemicals selected from the group consisting of aromatic hydrocarbons, aliphatic hydrocarbons, unsaturated hydrocarbons, synthetic hydrocarbon, saturated hydrocarbons, hydrocarbon oils, organic mineral oils, oils derived from
20 vegetables and fruits, animal derived oils and fats, long chain esters, aldehydes, and ketones.
5. A composition of matter as in Claim 3 wherein said hydrocarbon base further comprises at least one additive selected from the group consisting of fragrances,
25 insecticides, mechanical stabilizers, chemical stabilizers, antioxidants, amino acid gelling agents, secondary polymer gelling agents, coloring agents, waxes and solvents.
6. A composition of matter as in Claim 4 wherein the hydrocarbons base, has a
30 carbon chain length from about C6 to about C40.

7. A composition of matter as in Claim 4 wherein the diblock copolymer has a molecular weight and concentration that allows the composition to undergo reversible shear thinning when it flows through the orifice of a manual trigger spray or aerosol spray can valve.
- 5
8. A composition of matter as in Claim 4 wherein the diblock copolymer has a molecular weight between about 100,000 and about 500,000.
9. A composition of matter as in Claim 8 wherein the viscosity of the composition is
- 10 between 50 and 400 SUS at 100 degrees F.
10. A composition of matter as in Claim 4 comprising 88 to 99.5 weight percent mineral oil and 0.5 to 12 percent diblock copolymer.
- 15 11. A composition of matter as in Claim 10 including from about 0.30 to about 2.00 weight percent of an amino acid gelling agent.
12. A composition of matter as in Claim 4 comprising from about 89 to about 98.5 weight percent long carbon chain ester and from about 1.5 to about 8.3 weight
- 20 percent diblock copolymer.
13. A composition of matter as in Claim 12 including about 0.3 to about 2 weight percent of an amino acid gelling agent.
- 25 14. A composition of matter as in Claim 2 comprising from about 90 to about 97 weight percent gasoline and from about 3 to about 10 weight percent diblock copolymer.
- 30 15. A method for increasing the at rest viscosity of a petroleum distillate product having a hydrocarbon base comprising adding sufficient diblock copolymer to said hydrocarbon base to make the product pseudoplastic.

16. The method of claim 15, wherein the copolymer is from about 2 weight percent to about 30 weight percent of a diblock copolymer with from about 70 percent to about 98 percent of a hydrocarbon oil.

5

17. The method of claim 16, wherein the hydrocarbon base comprises from about 0.1 to about 15 percent by weight of the composition.

10

18. The method of claim 17, wherein the petroleum distillate initially has a viscosity of less than about 150 SUS at 100.degree. F.

19. The method of claim 16, wherein the hydrocarbon base is selected from the group consisting of mineral oils, mineral spirits, naphthalene, long carbon chain esters and vegetable oils .

15

20. A method for increasing the viscosity of a mineral oil, said method comprising adding to said mineral oil an effective amount of a shear-thinning pseudoplastic thickener.

20

21. The method of claim 20, wherein the pseudoplastic thickener is selected from the group consisting of a mixture comprising from about 2 percent to about 30 percent of diblock copolymer with from about 70 percent to about 98 percent of hydrocarbon oil.

25

22. The method of claim 21, wherein the mixture includes N-Lauroyl glutamic acid di-n-butylamide.

23. The method of claim 22, wherein the petroleum distillate has a viscosity of less than about 150 SUS at 100 degree. F.

30

24. The method of claim 21, wherein the hydrocarbon base is selected from the group consisting of mineral oils, mineral spirits, naphthalene, long carbon chain esters and vegetable oils.
- 5 25. A non-aqueous gel product suitable for dispensing through a spray mechanism, said product comprising a hydrocarbon base and a shear-thinning pseudoplastic thickener.
- 10 26. A product as set forth in claim 25, wherein said pseudoplastic thickener is selected from the group consisting of a mixture comprising from about 2 percent to about 30 percent of a diblock copolymer with from about 70 percent to about 98 percent of a hydrocarbon oil.
- 15 27. A product as set forth in claim 26 wherein said mixture includes N-Lauroyl glutamic acid di-n-butylamide.
28. A product as set forth in claim 26, wherein said pseudoplastic thickener is present in an amount of from about 0.2 to about 12 percent by weight of the composition.
- 20 29. A product as set forth in claim 28, wherein said hydrocarbon base is selected from the group consisting of mineral oils, mineral spirits, naphthalene, and vegetable oils.
- 25 30. A product as set forth in claim 29, wherein said petroleum distillate is a mineral oil.
- 30 31. A product as set forth in claim 30, selected from the group consisting of furniture oils; furniture polishes and cleaners; baby oils; sunscreens; nail enamel dryers; hair oils; bath, body and massage oils; makeup removers; gasoline additives; fuel injection cleaners; carburetor cleaners; cleaning solvents; water repellents; and general household oil.

- 5 32. A product as set forth in claim 31, comprising a furniture oil wherein said petroleum distillate is a mineral oil, and said pseudoplastic thickener comprises from about 2 percent to about 30 percent of a diblock copolymer and from about 70 percent to about 98 percent of a hydrocarbon oil.
33. A product as set forth in claim 32, wherein said thickener comprises from about 0.2 to about 9 percent by weight of the product.